

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2262	(715/501.1,513,522,505-508).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/04 08:36
L2	4472	(709/201,204,206,230).CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/04 08:36
L3	6629	1 2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/04 08:36
L4	5384	3 and @ad<="20001229"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/04 08:37
L5	2	4 and ((integrat\$3 or incorporat\$3) with ((fill adj (in\$1 or out\$1)) with (form\$1 or field\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/04 08:38
L6	0	4 and ((integrat\$3 or incorporat\$3) with ((fill adj (in\$1 or out\$1)) with (form\$1 or field\$1))) same (schema\$1 or dtd\$1 or (document adj type adj definition\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/04 08:38
S1	2	("6052730").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/04 08:35
S2	2	("5894554").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/30 09:18
S3	2	("6317777").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/30 10:15
S4	10	(object adj oriented) near html	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/30 10:22

## EAST Search History

S5	36	quick adj place	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/30 10:23
S6	17	quickplace	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/11/30 10:23
S7	20100	(link\$3 or hyperlink\$3 or (hyper adj link\$3)) near (form\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 07:44
S8	25	(link\$3 or hyperlink\$3 or (hyper adj link\$3)) near ((html or web) near form\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 08:11
S9	2	("5956736").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 08:45
S10	2	("6748425").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 09:35
S11	2	("5956736").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 09:37
S12	2	("6101509").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 09:37
S13	2	("6233600").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/07 09:37
S14	2	("6353446").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:14
S15	2	("5793966").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:16
S16	2	("5706452").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:17

## EAST Search History

S17	2	("5537526").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:18
S18	2	("6177932").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:26
S19	1	"intranets.com"	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:26
S20	13	("20010037379"   "5544360"   "5684984"   "5771379"   "5813009"   "5860066"   "5950206"   "5991776"   "6098066"   "6260049"   "6308173"   "6427175"   "6615248").PN. OR ("6778972"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/08 14:30
S21	0	S20 and ((creat\$3 or build\$3) near url)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:30
S22	305	((creat\$3 or build\$3 or construct\$3) near url)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:31
S23	29	S22 and collaborat\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:32
S24	22	S23 not estrada	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:33
S25	15	S24 and (upload\$3 or import\$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:42
S26	7	("5812768"   "5901148"   "6195692"   "6209026"   "6263330"   "6351748"   "6449633").PN. OR ("6629127").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/08 14:40
S27	4	geodesia	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:45

## EAST Search History

S28	95	workrooms	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:45
S29	1	workrooms and collaborat\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:50
S30	795	web same collaborat\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:51
S31	549	web with collaborat\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:51
S32	351	web near5 collaborat\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:52
S33	334	S32 not estrada	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:53
S34	333	S33 not quickplace	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:53
S35	322	S33 not domino	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:53
S36	270	S33 not lotus	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 14:53
S37	287	S33 not (international adj business adj machines)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 15:11
S38	60	S37 and (workspace\$1 or (work adj space\$1))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/08 15:12

## EAST Search History

S39	12	US-6052730-\$.DID. OR US-5894554-\$.DID. OR US-6317777-\$.DID. OR US-6070155-\$.DID. OR US-6278449-\$.DID. OR US-6081788-\$.DID.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 09:10
S40	30	"5,956,736"	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 09:13
S41	2	("5956736").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/09 09:13
S42	2	("6314408").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/14 08:23
S43	3	("6223177").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/14 08:23
S44	2	("6212534").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/14 08:24
S45	2	("6278449").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/14 08:24
S46	2	("5890131").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/14 08:28
S47	155954	import\$3 same form\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/14 08:28
S48	39929	import\$3 with form\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/14 08:28
S49	16099	import\$3 near5 form\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/14 08:29

## EAST Search History

S50	4101	import\$3 near form\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/14 08:29
S51	0	(import\$3 near form\$1) same collaborat\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/14 08:29
S52	6	(import\$3 near5 form\$1) same collaborat\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/14 08:29
S53	6622	(form\$3 or creat\$3 or generat\$3) same URL\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/07 08:12
S54	1297	(form\$3 or creat\$3 or generat\$3) near URL\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/07 08:13
S55	172	S54 and ((upload\$3 or download\$3) near (web or page\$1 or document\$1 or html))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/07 08:26
S56	407	((upload\$3) near (web or page\$1 or document\$1 or html))	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/07 08:28
S57	15	((upload\$3) near ((web or page\$1 or document\$1 or html)) near imag\$3)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/07 08:26
S58	100	S56 and simultaneous\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/07 08:34
S59	36	(upload\$3 near imag\$3) with (page\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/07 08:47
S60	2	("6,233,600").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/07 09:19
S61	297	pars\$3 near form\$1	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/07 09:00

## EAST Search History

S62	21	S61 and collaborat\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/07 08:56
S63	29	pars\$3 near5 ((web or html) near form\$1)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/07 09:01
S64	16	S63 and group\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/07 09:01
S65	2	("6,779,153").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/07 09:19
S66	27	((html or web) near5 form\$1) same (data near model\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/02 16:25
S67	5	S66 and (collaborat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/02 16:25
S68	2	("6,233,600").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/04 09:43
S69	36	("5220657"   "5233687"   "5379374"   "5390297"   "5392400"   "5457797"   "5533183"   "5671412"   "5678042"   "5687317"   "5724508"   "5781727"   "5793365"   "5801700"   "5826025"   "5829001"   "5862330"   "5862346"   "5918010"   "5923845"   "6026433"   "6061695").PN. OR ("6233600").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/04 09:44
S70	2761	"I12" and @ad<="20001229"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/04 09:45
S71	36	S69 and @ad<="20001229"	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/04 09:45
S72	22	S71 and (group adj ware\$1 or collaborat\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/04 09:46

## EAST Search History

S73	22	S71 and ((group adj ware\$1) or collaborat\$4 or gorupware\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/04 09:46
S74	2	S73 and schema\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/04 09:48
S75	21	S73 and (schema\$1 or form\$1 or template\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/04 09:49
S76	21	S73 and (form\$1 or template\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/04 09:50
S77	21	S73 and (form\$1 or template\$1 or skin\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/04 09:52
S78	6	S73 and (form\$1 or template\$1 or skin\$1) and (upload\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/04 10:06
S79	3	S73 and ((form\$1 or template\$1 or skin\$1) near (hyperlink\$3 or (hyper adj link\$3) or link\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/04 10:09
S80	8	S73 and ((form\$1 or template\$1 or skin\$1) near5 (hyperlink\$3 or (hyper adj link\$3) or link\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/04 10:18
S81	0	S73 and ((form\$1 or template\$1 or skin\$1) near5 (local))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/04 10:19
S82	6	S73 and ((form\$1 or template\$1 or skin\$1) near5 (client\$1 or browser\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/04 10:19
S83	2	("6,779,153").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/04 11:14
S84	657378	(creat\$3 or generat\$3 or design\$3) with (form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/14 11:35
S85	8729	((creat\$3 or generat\$3 or design\$3) with (form\$1)) and (collaborat\$3 or multiuser\$1 or (multi adj user\$1) or (multi-user\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/14 11:36



## EAST Search History

S86	320	((creat\$3 or generat\$3 or design\$3) with (form\$1)) and (collaborat\$3 or multiuser\$1 or (multi adj user\$1) or (multi-user\$1)) and (adding with content\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/14 11:44
S87	103	S86 and @ad<="20001229"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/14 11:45
S88	5	S87 and (estrada.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/14 11:38
S89	98	S87 not S88	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/14 11:38
S90	17	S87 and (estrada.in. or ginter.in. or shaug.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/14 11:40
S91	86	S87 not S90	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/14 11:39
S92	20	S87 and (estrada.in. or ginter.in. or shaughnessy.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/14 11:40
S93	83	S87 not S92	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/14 11:40
S94	16	S93 and schema\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/14 11:45
S95	16	S93 and schema\$1 and form\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/14 11:42

## EAST Search History

S96	15	S93 and schema\$1 and form\$1 and collaborat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/14 11:45
S97	382	((creat\$3 or generat\$3 or design\$3) with (form\$1)) and (collaborat\$3 or multiuser\$1 or (multi adj user\$1) or (multi-user\$1) or (distributed adj computing)) and (adding with content\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/14 11:44
S98	126	S97 and @ad<="20001229"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/14 11:45
S99	106	S98 not S92	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/14 11:45
S100	17	S99 and schema\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/14 11:45
S101	15	S100 and schema\$1 and form\$1 and collaborat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/14 11:45
S102	362	(modify\$3 or edit\$3 or updat\$3) near schema\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/27 13:08
S103	0	remote\$1 with ((modify\$3 or edit\$3 or updat\$3) near schema\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/27 13:08
S104	6	remote\$1 same((modify\$3 or edit\$3 or updat\$3) near schema\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/27 13:10

## EAST Search History

S10 5	6	S104 and form\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/27 13:11
S10 6	1	S104 and (form\$1 adj3 (input\$1 or field\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/27 13:12
S10 7	13	("5768510"   "5790793"   "5898835"   "5956709"   "6003032"   "6101510"   "6112197"   "6134548"   "6151602"   "6151609"   "6178439"   "6202060"   "6330594").PN. OR ("6560607"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/27 13:14
S10 8	12	S107 and (updat\$3 or modify\$3 or edit\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/27 13:15
S10 9	1	S107 and (updat\$3 or modify\$3 or edit\$3) and schema\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/27 13:15
S11 0	6	US-4514800-\$.DID. OR US-4641274-\$.DID. OR US-4674040-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:36
S11 1	38	US-4739477-\$.DID. OR US-4815029-\$.DID. OR US-4910663-\$.DID. OR US-4933880-\$.DID. OR US-4962475-\$.DID. OR US-5072412-\$.DID. OR US-5187786-\$.DID. OR US-5191645-\$.DID. OR US-5195183-\$.DID. OR US-5204947-\$.DID. OR US-5206951-\$.DID. OR US-5237680-\$.DID. OR US-5249275-\$.DID. OR US-5274803-\$.DID. OR US-5297249-\$.DID. OR US-5297283-\$.DID. OR US-5313631-\$.DID. OR US-5313646-\$.DID. OR US-5317686-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:37

## EAST Search History

S11 2	21	S111 and form\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:37
S11 3	0	S111 and ((html or web or xml or xhtml) near5 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:38
S11 4	38	US-5333317-\$.DID. OR US-5339423-\$.DID. OR US-5339424-\$.DID. OR US-5341478-\$.DID. OR US-5369766-\$.DID. OR US-5369778-\$.DID. OR US-5371675-\$.DID. OR US-5377323-\$.DID. OR US-5381547-\$.DID. OR US-5390325-\$.DID. OR US-5408665-\$.DID. OR US-5410688-\$.DID. OR US-5434975-\$.DID. OR US-5436637-\$.DID. OR US-5440744-\$.DID. OR US-5446842-\$.DID. OR US-5459865-\$.DID. OR US-5481722-\$.DID. OR US-5504898-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:38
S11 5	0	S114 and ((html or web or xml or xhtml) near5 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:39
S11 6	38	US-5517655-\$.DID. OR US-5535389-\$.DID. OR US-5542070-\$.DID. OR US-5550976-\$.DID. OR US-5551035-\$.DID. OR US-5572643-\$.DID. OR US-5572648-\$.DID. OR US-5577252-\$.DID. OR US-5581686-\$.DID. OR US-5581760-\$.DID. OR US-5602996-\$.DID. OR US-5608720-\$.DID. OR US-5627979-\$.DID. OR US-5630126-\$.DID. OR US-5634121-\$.DID. OR US-5640544-\$.DID. OR US-5659729-\$.DID. OR US-5664178-\$.DID. OR US-5669005-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:39

## EAST Search History

S11 7	2	S116 and ((html or web or xml or xhtml) near5 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:40
S11 8	38	US-5682536-\$.DID. OR US-5689703-\$.DID. OR US-5706501-\$.DID. OR US-5717939-\$.DID. OR US-5721824-\$.DID. OR US-5740439-\$.DID. OR US-5742504-\$.DID. OR US-5745683-\$.DID. OR US-5758184-\$.DID. OR US-5758358-\$.DID. OR US-5761408-\$.DID. OR US-5761683-\$.DID. OR US-5764984-\$.DID. OR US-5764985-\$.DID. OR US-5778372-\$.DID. OR US-5784555-\$.DID. OR US-5798757-\$.DID. OR US-5801701-\$.DID. OR US-5802304-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:40
S11 9	1	S118 and ((html or web or xml or xhtml) near5 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:41
S12 0	38	US-5806079-\$.DID. OR US-5815830-\$.DID. OR US-5826265-\$.DID. OR US-5835777-\$.DID. OR US-5838906-\$.DID. OR US-5842018-\$.DID. OR US-5845077-\$.DID. OR US-5845090-\$.DID. OR US-5854630-\$.DID. OR US-5859973-\$.DID. OR US-5864819-\$.DID. OR US-5907704-\$.DID. OR US-5911776-\$.DID. OR US-5915112-\$.DID. OR US-5922072-\$.DID. OR US-5940075-\$.DID. OR US-5950010-\$.DID. OR US-5963964-\$.DID. OR US-5987480-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:40
S12 1	3	S120 and ((html or web or xml or xhtml) near5 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:45

## EAST Search History

S12 2	38	US-5991710-\$.DID. OR US-5995103-\$.DID. OR US-5999740-\$.DID. OR US-6502101-\$.DID. OR US-6560620-\$.DID. OR US-6845380-\$.DID. OR US-6848078-\$.DID. OR US-6931532-\$.DID. OR US-6014135-\$.DID. OR US-6016520-\$.DID. OR US-6026379-\$.DID. OR US-6026416-\$.DID. OR US-6031989-\$.DID. OR US-6044205-\$.DID. OR US-6052710-\$.DID. OR US-6054987-\$.DID. OR US-6072870-\$.DID. OR US-6078326-\$.DID. OR US-6078327-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:44
S12 3	4	S122 and ((html or web or xml or xhtml) near5 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:46
S12 4	38	US-6081610-\$.DID. OR US-6084585-\$.DID. OR US-6088708-\$.DID. OR US-6091417-\$.DID. OR US-6094657-\$.DID. OR US-6098081-\$.DID. OR US-6108637-\$.DID. OR US-6108783-\$.DID. OR US-6122647-\$.DID. OR US-6151624-\$.DID. OR US-6163772-\$.DID. OR US-6167521-\$.DID. OR US-6195661-\$.DID. OR US-6199204-\$.DID. OR US-6209128-\$.DID. OR US-6216152-\$.DID. OR US-6219698-\$.DID. OR US-6225996-\$.DID. OR US-6235027-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:46
S12 5	4	S124 and ((html or web or xml or xhtml) near5 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:46

## EAST Search History

S12 6	37	US-6253366-\$.DID. OR US-6253374-\$.DID. OR US-6263313-\$.DID. OR US-6266810-\$.DID. OR US-6275227-\$.DID. OR US-6275599-\$.DID. OR US-6282711-\$.DID. OR US-6286033-\$.DID. OR US-6292897-\$.DID. OR US-6297819-\$.DID. OR US-6308179-\$.DID. OR US-6311271-\$.DID. OR US-6321334-\$.DID. OR US-6327628-\$.DID. OR US-6343302-\$.DID. OR US-6345256-\$.DID. OR US-6345361-\$.DID. OR US-6347323-\$.DID. OR US-6349408-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:46
S12 7	5	S126 and ((html or web or xml or xhtml) near5 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:52
S12 8	7	(remote\$2 with (edit\$3 or modif\$7) with (schema\$1 or dtd\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:49
S12 9	6	S128 and form\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:52
S13 0	8	("5987454"   "6012067"   "6016394"   "6038566"   "6131096").PN. OR ("6460041").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/04 08:50
S13 1	7	S130 and form\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:52
S13 2	4	S130 and ((html or web or xml or xhtml) near5 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:54

## EAST Search History

S13 3	38	US-6353926-\$.DID. OR US-6357038-\$.DID. OR US-6366912-\$.DID. OR US-6369840-\$.DID. OR US-6374402-\$.DID. OR US-6381742-\$.DID. OR US-6381743-\$.DID. OR US-6389434-\$.DID. OR US-6393456-\$.DID. OR US-6396488-\$.DID. OR US-6408311-\$.DID. OR US-6421070-\$.DID. OR US-6421656-\$.DID. OR US-6425125-\$.DID. OR US-6434563-\$.DID. OR US-6434564-\$.DID. OR US-6442755-\$.DID. OR US-6446110-\$.DID. OR US-6460058-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:54
S13 4	2	S133 and ((html or web or xml or xhtml) near5 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:55
S13 5	38	US-6470349-\$.DID. OR US-6473800-\$.DID. OR US-6476833-\$.DID. OR US-6477544-\$.DID. OR US-6493702-\$.DID. OR US-6502103-\$.DID. OR US-6505230-\$.DID. OR US-6505300-\$.DID. OR US-6507856-\$.DID. OR US-6516322-\$.DID. OR US-6519617-\$.DID. OR US-6546546-\$.DID. OR US-6549221-\$.DID. OR US-6549878-\$.DID. OR US-6560640-\$.DID. OR US-6563514-\$.DID. OR US-6571253-\$.DID. OR US-6578144-\$.DID. OR US-6581061-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:55
S13 6	6	S135 and ((html or web or xml or xhtml) near5 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:57



## EAST Search History

S13 7	38	US-6584548-\$.DID. OR US-6585778-\$.DID. OR US-6604099-\$.DID. OR US-6606606-\$.DID. OR US-6609200-\$.DID. OR US-6611822-\$.DID. OR US-6611840-\$.DID. OR US-6613098-\$.DID. OR US-6615276-\$.DID. OR US-6631357-\$.DID. OR US-6631497-\$.DID. OR US-6643684-\$.DID. OR US-6668369-\$.DID. OR US-6678717-\$.DID. OR US-6691230-\$.DID. OR US-6691281-\$.DID. OR US-6697944-\$.DID. OR US-6701434-\$.DID. OR US-6711679-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:57
S13 8	6	S136 and ((html or web or xml or xhtml) near5 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 09:00
S13 9	8	US-6748385-\$.DID. OR US-6751777-\$.DID. OR US-6772139-\$.DID. OR US-6774926-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:59
S14 0	16	US-6356906-\$.DID. OR US-6480860-\$.DID. OR US-6631379-\$.DID. OR US-6631519-\$.DID. OR US-6635089-\$.DID. OR US-6636845-\$.DID. OR US-6643633-\$.DID. OR US-6963875-\$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 08:59
S14 1	2	S139 and ((html or web or xml or xhtml) near5 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 09:01
S14 2	4	S140 and ((html or web or xml or xhtml) near5 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 09:01
S14 3	586395	(design\$3 or creat\$3 or construct\$3) with form\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 12:25

## EAST Search History

S14 4	201187	(design\$3 or creat\$3 or construct\$3) near\$3 form\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 12:19
S14 5	1285	S144 and ((ftp\$3 or upload\$3 or forward\$3 or install\$3) near form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 12:20
S14 6	634	S145 and (install\$3 or integrat\$3) near form\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 12:28
S14 7	17	S146 and collaborat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 12:22
S14 8	0	("2002/0152234").URPN.	USPAT	OR	OFF	2006/01/05 12:21
S14 9	5	S147 and estrada.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 12:22
S15 0	12	S147 not S149	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 12:22
S15 1	10	("5894554"   "6052730"   "6070185"   "6081788"   "6233600"   "6278449"   "6317777"   "6489980"   "6701343"   "6708309").PN. OR ("6973618").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/05 12:25
S15 2	3	S151 and ((design\$3 or creat\$3 or construct\$3) with form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 12:36
S15 3	0	S151 with form\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 12:26

## EAST Search History

S15 4	10	S151 and form\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 12:26
S15 5	1	S151 and (input\$1 with form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 12:27
S15 6	9447	(715/5??).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 12:28
S15 7	15	S146 and S156	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 12:28
S15 8	8	("20030208108"   "5557787"   "5819254"   "5832496"   "5970464"   "6397221"   "6415284"   "6665685").PN. OR ("6968500"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/05 12:36
S15 9	6	S158 and ((design\$3 or creat\$3 or construct\$3) with form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/05 12:37
S16 0	12	(US-20010054046-\$).did. or (US-5923845-\$ or US-6233600-\$ or US-6343302-\$ or US-6460041-\$ or US-6560607-\$ or US-6581061-\$ or US-6640241-\$ or US-6772216-\$ or US-6779153-\$ or US-6917962-\$ or US-6968500-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/01/06 08:02
S16 1	8	S160 and @ad<="20001229"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 08:04
S16 2	14361	(collect\$3 near5 (data\$1 or input\$1)) with user\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 08:05

## EAST Search History

S16 3	5369	S162 and @ad<="20001229"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 08:05
S16 4	139	((collect\$3 near5 (data\$1 or input\$1)) with user\$1) same ((creat\$3 or generat\$3) near5 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 08:05
S16 5	46	S164 and @ad<="20001229"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 08:12
S16 6	3040	(database\$1) same ((creat\$3 or design\$3) near5 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 08:11
S16 7	1457	(database\$1) with ((creat\$3 or design\$3) near5 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 08:11
S16 8	107	(database\$1) with (((creat\$3 or design\$3) near5 form\$1) with (field\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 08:12
S16 9	54	S168 and @ad<="20001229"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 09:16
S17 0	310	(remote\$2 near maint\$7) with (database\$1 or (data adj base\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 09:17
S17 1	101	S170 and @ad<="20001229"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 09:20
S17 2	2	S171 and (database\$1 near form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 09:21

## EAST Search History

S17 3	3739	(updat\$3 or add\$3) near5 (field\$1 or object\$1) near5 (database\$1 or (data adj base\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 09:22
S17 4	1645	S173 and ((remote\$2 or network\$3) near5 (database\$1 or (data adj base\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 09:23
S17 5	736	S174 and @ad<="20001229"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 09:23
S17 6	75	S175 and (database\$1 near form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 09:23
S17 7	5336	(updat\$3 or add\$3) near5 (field\$1 or row\$1 or column\$1 or table\$1) near5 (database\$1 or (data adj base\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 09:23
S17 8	7815	(updat\$3 or add\$3 or defin\$3) near5 (field\$1 or row\$1 or column\$1 or table\$1) near5 (database\$1 or (data adj base\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 09:23
S17 9	3067	S178 and ((remote\$2 or network\$3) near5 (database\$1 or (data adj base\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 09:23
S18 0	328	S179 and (database\$1 near form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 09:23
S18 1	134	S180 and @ad<="20001229"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 09:24
S18 2	2	("6968500").PN.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/08 12:24

## EAST Search History

S18 3	8	("20030208108"   "5557787"   "5819254"   "5832496"   "5970464"   "6397221"   "6415284"   "6665685").PN. OR ("6968500").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/08 12:26
S18 4	8	S183 and 2ad<="20001229"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/08 12:26
S18 5	7	S183 and @ad<="20001229"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/08 12:26
S18 6	5	S185 and ((generat\$3 or creat\$3) with form\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/08 12:28
S18 7	3	S186 and server\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/08 12:28
S18 8	8	("20030208108"   "5557787"   "5819254"   "5832496"   "5970464"   "6397221"   "6415284"   "6665685").PN. OR ("6968500").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/20 14:20
S18 9	7	S188 and @ad<="20001229"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/20 14:20
S19 0	2	("6,233,600").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/23 12:39
S19 1	2	("5,956,736").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/24 11:07
S19 2	3355	(715/501.1,513,522).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/25 10:45
S19 3	8178	(709/201,204,206,230).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/25 10:45

## EAST Search History

S19 4	109	S192 and S193	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/25 10:45
S19 5	11424	S192 or S193	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/25 10:46
S19 6	5088	S195 and @ad<="20001229"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/25 10:46
S19 7	81	S194 and @ad<="20001229"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/25 10:46
S19 8	38	S197 and ((web or html or fillin\$1 or fill-in\$1 or (fill adj in\$1)) with form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/25 10:47
S19 9	990	S196 and ((web or html or fillin\$1 or fill-in\$1 or (fill adj in\$1)) with form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/25 10:47
S20 0	869	extend\$3 with schema\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/02 10:44
S20 1	1096	(extend\$3 or append\$3 or "adding to") with schema\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/02 10:45
S20 2	190	S201 and @ad<="20001229"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/02 10:46
S20 3	0	S202 and estrada.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/02 10:47

## EAST Search History

S20 4	19	S202 and international.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/02 10:48
S20 5	18	S204 and form\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/02 10:54
S20 6	171	S202 not S204	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/02 10:54
S20 7	154	S206 and form\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/02 10:54
S20 8	42	S206 and ((html or web or www or input or fill-in) near3 form\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/02 10:59
S20 9	24	S208 not slaughter.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/02 10:59
S21 0	0	(integrat\$3 with (form\$1 or field\$1)) with (schema\$1 or dtd\$1) with collabora\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/04 08:32
S21 1	2	(integrat\$3 with (form\$1 or field\$1)) same (schema\$1 or dtd\$1) same collabora\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/04 08:33
S21 2	2	((integrat\$3 with (form\$1 or field\$1)) same (schema\$1 or dtd\$1)) same collabora\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/04 08:33




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### 1 [Collaborative workspace for time deferred electronic cooperation](#)



Uta Pankoke-Babatz, Anja Syri

 November 1997 **Proceedings of the international ACM SIGGROUP conference on Supporting group work: the integration challenge**

Publisher: ACM Press

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**Keywords:** CSCW enablers, asynchronous cooperation, awareness, collaborative workspace, electronic behavior setting, sharing

### 2 [Cooperative buildings—integrating information, organization and architecture](#)



Norbert A. Streitz

 November 1998 **Proceedings of the 1998 ACM conference on Computer supported cooperative work**

Publisher: ACM Press

 Full text available: [pdf\(1.89 MB\)](#)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 3 [Flexible coordination with cooperative hypertext](#)



Weigang Wang, Jörg M. Haake

 May 1998 **Proceedings of the ninth ACM conference on Hypertext and hypermedia : links, objects, time and space---structure in hypermedia systems: links, objects, time and space---structure in hypermedia systems**

Publisher: ACM Press

 Full text available: [pdf\(1.69 MB\)](#)


 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 4 [Team-and-role-based organizational context and access control for cooperative hypermedia environments](#)



Weigang Wang

 February 1999 **Proceedings of the tenth ACM Conference on Hypertext and**

**hypermedia : returning to our diverse roots: returning to our diverse roots****Publisher:** ACM PressFull text available:  [pdf\(2.13 MB\)](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**Keywords:** cooperative hypermedia, coordination, groupware, process support, role-based access control, workflow**5 Building bridges: customisation and mutual intelligibility in shared category****management**


Paul Dourish, John Lamping, Tom Rodden

November 1999 **Proceedings of the international ACM SIGGROUP conference on Supporting group work****Publisher:** ACM PressFull text available:  [pdf\(1.54 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


Research into collaborative document use often concentrates on how people share document content. However, studies of real-world document practices reveal that the structures by which document corpora are organised may also, themselves, be important sites of collaborative activity. Unfortunately, this poses a problem. When category structures are used to understand a set of documents, the manipulation of those structures can interfere with shared understand ...

**Keywords:** categorisation, customisation, document management, shared views, shared workspaces**6 Flexible support for business processes: extending cooperative hypermedia with process support**

Jörg M. Haake, Weigang Wang

November 1997 **Proceedings of the international ACM SIGGROUP conference on Supporting group work: the integration challenge****Publisher:** ACM PressFull text available:  [pdf\(1.62 MB\)](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**Keywords:** activity space, cooperative work, flexible workflow, hypermedia**7 The design of an interactive online help desk in the Alexandria Digital Library**

Robert Prince, Jianwen Su, Hong Tang, Yonggang Zhao

March 1999 **ACM SIGSOFT Software Engineering Notes , Proceedings of the international joint conference on Work activities coordination and collaboration WACC '99**, Volume 24 Issue 2**Publisher:** ACM PressFull text available:  [pdf\(1.53 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In large software systems such as digital libraries, electronic commerce applications, and customer support systems, the user interface and system are often complex and difficult to navigate. It is necessary to provide users with interactive online support to help users learn how to effectively use these applications. Such online help facilities can include providing tutorials and animated demonstrations, synchronized activities between users

and system supporting staff for real time instruction ...

**Keywords:** collaboration, digital library, online help desk, online support, user interface

8 An access control framework for multi-user collaborative environments



Adrian Bullock, Steve Benford

November 1999 **Proceedings of the international ACM SIGGROUP conference on Supporting group work**

**Publisher:** ACM Press

Full text available: [pdf\(1.55 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A vital component of any application or environment is security, and yet this is often one of the lower priorities, losing out to performance and functionality issues, if it is considered at all. This paper considers a spatial approach to enabling, understanding and managing access control that is generally applicable across a range of collaborative environments and applications. Access control is governed according to the space within which subjects and objects reside, and the ability to t ...

**Keywords:** access control, collaborative systems, security

9 Frameworks for component-based client/server computing



Scott M. Lewandowski

March 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 1

**Publisher:** ACM Press

Full text available: [pdf\(243.81 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

10 Openness in shared hypermedia workspaces: the case for collaborative open hypermedia systems



Jörg M. Haake, Uffe K. Wiil, Peter J. Nürnberg

October 1999 **ACM SIGWEB Newsletter**, Volume 8 Issue 3

**Publisher:** ACM Press

Full text available: [pdf\(1.33 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Group work requires much flexibility regarding both the organization of shared workspaces and the organization of collaborative work. Shared hypermedia workspaces can provide this flexibility. However, this requires the provision of openness with respect to both the hypermedia workspace and the collaboration support offered in such a collaborative open hypermedia system. In this paper we address the issue of how to identify key requirements of open collaborative hypermedia systems. We start with ...

11 SEPIA: a cooperative hypermedia authoring environment



Norbert Streitz, Jörg Haake, Jörg Hannemann, Andreas Lemke, Wolfgang Schuler, Helge Schütt, Manfred Thüring

December 1993 **Proceedings of the ACM conference on Hypertext**


**Publisher:** ACM Press




Full text available: [pdf\(1.78 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)




12 A three-faceted view of information systems






Giorgio De Michelis, Eric Dubois, Matthias Jarke, Florian Matthes, John Mylopoulos, Joachim

- W. Schmidt, Carson Woo, Eric Yu  
December 1998 **Communications of the ACM**, Volume 41 Issue 12  
**Publisher:** ACM Press  
Full text available:  [pdf\(423.05 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)




- 13 An architecture for WWW-based hypercode environments   
 Gail E. Kaiser, Stephen E. Dossick, Wenyu Jiang, Jack Jingshuang Yang  
May 1997 **Proceedings of the 19th international conference on Software engineering**  
**Publisher:** ACM Press  
Full text available:  [pdf\(1.84 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

- 14 CHIME: a metadata-based distributed software development environment   
 Stephen E. Dossick, Gail E. Kaiser  
October 1999 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 7th European software engineering conference held jointly with the 7th ACM SIGSOFT international symposium on Foundations of software engineering ESEC/FSE-7**, Volume 24 Issue 6  
**Publisher:** Springer-Verlag, ACM Press  
Full text available:  [pdf\(940.46 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We introduce CHIME, the Columbia Hypermedia IMmersion Environment, a metadata-based information environment, and describe its potential applications for internet and intranet-based distributed software development. CHIME derives many of its concepts from Multi-User Domains (MUDs), placing users in a semi-automatically generated 3D virtual world representing the software system. Users interact with project artifacts by "walking around" the virtual world, where they potentially en ...

- 15 Paper as an analytic resource for the design of new technologies   
 Abigail Sellen, Richard Harper  
March 1997 **Proceedings of the SIGCHI conference on Human factors in computing systems**  
**Publisher:** ACM Press  
Full text available:  [pdf\(1.11 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** IMF, collaboration, design, diary study, ethnography, knowledge work, organisations, paper

- 16 Supporting user-defined activity spaces   
 Weigang Wang, Jörg Haake  
April 1997 **Proceedings of the eighth ACM conference on Hypertext**  
**Publisher:** ACM Press  
Full text available:  [pdf\(1.28 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** activity space, hypertext model, intelligent system, object-oriented system, schema definition, schema integration, semantic net

**17** Modeling shared information spaces (SIS)

Marit Kjørnes Natvig, Oddrun Ohren

November 1999 **Proceedings of the international ACM SIGGROUP conference on Supporting group work****Publisher:** ACM PressFull text available: [pdf\(1.27 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Many companies experience that their corporate intranet is getting complex and poorly manageable. We believe that developing a model for the website, or shared information space will make the management easier and provide solutions that support collaboration and knowledge sharing within the enterprise. The present paper proposes a meta model defining the conceptual building blocks of an information space. The meta model takes knowledge as well as information sharing into account by letting ...

**Keywords:** knowledge sharing, meta model, ontology, shared information space**18** NSF workshop on industrial/academic cooperation in database systems

Mike Carey, Len Seligman

March 1999 **ACM SIGMOD Record**, Volume 28 Issue 1**Publisher:** ACM PressFull text available: [pdf\(1.96 MB\)](#) Additional Information: [full citation](#), [index terms](#)**19** Unifying strategies for Web augmentation

Niels Olof Bouvin

February 1999 **Proceedings of the tenth ACM Conference on Hypertext and hypermedia : returning to our diverse roots: returning to our diverse roots****Publisher:** ACM PressFull text available: [pdf\(1.40 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** Java, Web integration, collaboration on the Web, common reference architecture for open hypermedia systems, open hypermedia protocol, open hypermedia systems, unifying interfaces

**20** Supporting dynamic interdependencies among collaborative activities

Douglas P. Bogia, William J. Tolone, Simon M. Kaplan, Eric de la Tribouille

December 1993 **Proceedings of the conference on Organizational computing systems****Publisher:** ACM PressFull text available: [pdf\(1.03 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**Keywords:** CSCW environments, active/flexible support, toolkits

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